TRICK PLAYBACK OF DIGITAL VIDEO DATA

Abstract of the Disclosure

A single-chip application specific integrated circuit provides autonomous management of playback of digital video and audio. The chip includes a digital video decoder and output system, and a central processing unit controlling said digital video decoder and output system. The central processing unit receives commands to establish a current playback state for management of playback of digital video and audio by said digital video decoder and output system, and responds to a video field synchronization signal and a current playback state, without external instruction, to determine whether to display digital video, whether to decode digital video for display, whether to repeat display of previously decoded digital video, and whether to skip over digital video prior to decoding digital video for output. By delivering commands to the central processing unit, the application specific integrated circuit can be caused to transition between playback states to provide desired playback of said digital video and audio.